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RAW SEQUENCE LISTING DATE: 03/12/2002
PATENT APPLICATION: US/10/083,682 TIME: 09:55:59

Input Set : N:\Crf3\RULE60\10083682.raw
Output Set: N:\CRF3\03122002\J083682.raw

1 <110> APPLICANT: WOLFFE, Alan
2 URNOV, Fyodor
3 GUSCHIN, Dmitry
4 COLLINGWOOD, Trevor
5 LI, Xiao-Yong
6 JOHNSTONE, Brian
7 <120> TITLE OF INVENTION: DATABASES OF REGULATORY SEQUENCES; METHODS OF MAKING AND
USING SAME
8 <130> FILE REFERENCE: 8325-0015
9 <140> CURRENT APPLICATION NUMBER: 10/083,682
10 <141> CURRENT FILING DATE: 2001-10-24
11 <150> PRIOR APPLICATION NUMBER: 09/844,501
12 <151> PRIOR FILING DATE: 2001-04-27
13 <150> PRIOR APPLICATION NUMBER: 60/214,674
14 <151> PRIOR FILING DATE: 2000-06-27
15 <150> PRIOR APPLICATION NUMBER: 60/228,556
16 <151> PRIOR FILING DATE: 2000-08-28
17 <160> NUMBER OF SEQ ID NOS: 24
18 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 6
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Kpn 1 target
26 site
27 <400> SEQUENCE: 1
28 ggtacc 6
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 25
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
36 oligonucleotide
37 <400> SEQUENCE: 2
38 gcggtgaccc gggagatctg aattc 25
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 11
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
46 oligonucleotide

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47 <400> SEQUENCE: 3
48      ctagacttaa g                                     11
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51 <211> LENGTH: 24
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Bax
56      gene-specific primer
57 <400> SEQUENCE: 4
58      gcccatcact gagaaatccc ttcc                       24
60 <210> SEQ ID NO: 5
61 <211> LENGTH: 27
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
66      oligonucleotide
67 <400> SEQUENCE: 5
68      gcggtgaccc gggagatctg aattctt                     27
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 25
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
76      oligonucleotide
77 <400> SEQUENCE: 6
78      cgccactggg ccctctagac ttaag                       25
80 <210> SEQ ID NO: 7
81 <211> LENGTH: 60
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
86      oligonucleotide
87 <400> SEQUENCE: 7
88      tagaaggcac agtcgaggac ttatcctagc ctotgaatac tttcaacaag ttacaccctt 60
90 <210> SEQ ID NO: 8
91 <211> LENGTH: 66
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
96      oligonucleotide
97 <400> SEQUENCE: 8
98      aaaaaaaatc ttccgtgtca gctcctgaat aggatcggag acttatgaaa gttgttcaat 60
99      gtggga                                           66
101 <210> SEQ ID NO: 9

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102 <211> LENGTH: 24
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence:
107     adapter-specific primer
108 <400> SEQUENCE: 9
109     aggcacagtc gaggacttat ccta
110
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 122
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: insert
117     sequence
118 <400> SEQUENCE: 10
119     ccggcctcgg tgttttcggc tttttcctgg ccccgggccc gccaggccgg gccctctgct 60
120     gcccgctgaa tgggaggggg ggcggggtca cgtggcgggg ggaggggagg gccgtcgcga 120
121     tc
122
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 249
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence: insert
129     sequence
130 <400> SEQUENCE: 11
131     ccgggcgccca agggaagccg ggcgctgccc cctgctggcc aggttcgggc gcggcgccgc 60
132     ggaggggacct cccctctctg gagagaattg aaggggggtcc ggtgtggagc cccggctggc 120
133     tccgggctgg ggctgaccgg ctctgtgacc ttgggcaggc cactgcatct ctccaagcct 180
134     cagtttgac gtctgtcaaa tagaggggca ttctctcact ttgcagggtc cctggaaata 240
135     agtgagatc
136
137 <210> SEQ ID NO: 12
138 <211> LENGTH: 1042
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: accessible
143     region sequence
144 <400> SEQUENCE: 12
145     gatcggagtt cgagaccagc ccggccaact ggtgaaaccc tgtctctact aaaaaaatac 60
146     aaaaggagtt cgagaccagc ccggccaact ggtgaaaccc tgtctctact aaaaaaatac 120
147     aaaaattagc tgggtgtggt ggtgcacgcc tgtcatccca gctacttggg aggctgagat 180
148     aggaattagc tgggtgtggt ggtgcacgcc tgtcatccca gctacttggg aggctgagat 240
149     aggagaatcg cttgaaccca ggaggggagg cagaggttgc agtgagccga gatggcgcca 300
150     ctgtgaatcg cttgaaccca ggaggggagg cagaggttgc agtgagccga gatggcgcca 360
151     ctgtactccg gcctgggcaa gagcaagact ccaacaaaaa aaaaaaaaaa aaagaactag 420
152     cagtactccg gcctgggcaa gagcaagact ccaacaaaaa aaaaaaaaaa aaagaactag 480
153     cagtgccag ggctgtacac caggtgccag tactggcagc aattcttcca gttattgtga 540

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154      tagagcccag ggctgtacac caggtgccag tactggcagc aattcttcca gttattgtga 600
155      tagattctca tgacgctaaa ataccactt tgttatttaa cccttgctaa tccacaatga 660
156      gttgttctca tgacgctaaa ataccactt tgttatttaa cccttgctaa tccacaatga 720
157      gttgccaggt accagaatcc tttgttacta accagaccag gctgttcatt cttgaacagc 780
158      attgccaggt accagaatcc tttgttacta accagaccag gctgttcatt cttgaacagc 840
159      attgggcacg actttgtttt aataattctt gtatgagaag agcactcttt tccttctgat 900
160      agcaggcatc actttgtttt aataattctt gtatgagaag agcactcttt tccttctgat 960
161      agcaatgtgg ctccaactac tggctgatgt gagacggtac cggatgtggc tccaactact 1020
162      ggctgatgtg agacggtacc gg                                     1042
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 12
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
170      oligonucleotide containing a Sau 3AI-compatible
171      end
172 <400> SEQUENCE: 13
173      gatcgaattc ag                                     12
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 8
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: adapter
181      oligonucleotide containing a Sau 3AI-compatible
182      end
183 <400> SEQUENCE: 14
184      cttaagtc                                     8
186 <210> SEQ ID NO: 15
187 <211> LENGTH: 20
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 forward
192      primer
193 <400> SEQUENCE: 15
194      aatagcacct cctccgagca                                     20
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 21
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 reverse
202      primer
203 <400> SEQUENCE: 16
204      ccctgtccct caaatcctct g                                     21
206 <210> SEQ ID NO: 17
207 <211> LENGTH: 23

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208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: p16 probe
212 <400> SEQUENCE: 17
213      acagcgtccc cttgcctgga aag                                23
215 <210> SEQ ID NO: 18
216 <211> LENGTH: 19
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: Control
221      forward primer
222 <400> SEQUENCE: 18
223      gccccagagg gaaacacaa                                19
225 <210> SEQ ID NO: 19
226 <211> LENGTH: 17
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: Control
231      reverse primer
232 <400> SEQUENCE: 19
233      cccccacccc cataagc                                17
235 <210> SEQ ID NO: 20
236 <211> LENGTH: 24
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Control probe
241 <400> SEQUENCE: 20
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244 <210> SEQ ID NO: 21
245 <211> LENGTH: 48
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: EPAS
250      amplifier primer
251 <400> SEQUENCE: 21
252      ggatccggcc accgcgccg cacgccaat agccctgaag actattac        48
254 <210> SEQ ID NO: 22
255 <211> LENGTH: 44
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: EPAS
260      amplifier primer
261 <400> SEQUENCE: 22

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VERIFICATION SUMMARY

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